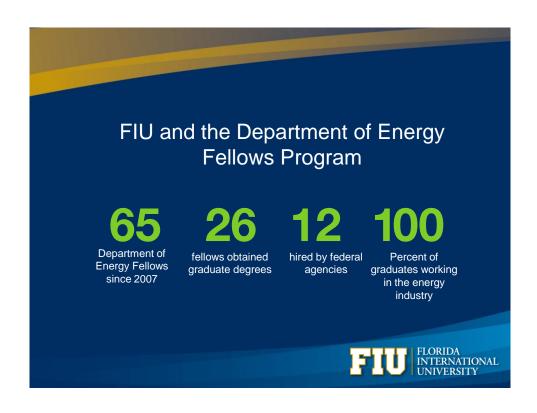




Robust Partnership with Miami-Dade County Public Schools

- Quarterly meetings with Superintendent and top leadership
- Targeted agenda, 10 task groups
- Community partnership with Miami Northwestern Senior High
- Sponsored by JPMorgan Chase
- · Quadrupled enrollment







Challenges remain

- Mathematics
- · Place-bound students: going where the jobs are
- · First generation students are unique



Going forward as a nation

- Underrepresented minorities should be a major thrust of national plan and movement
- Focus on workhorses: public, urban, research, minorityserving institutions that are engaged with K-12
- STEM corporations also must change their approach
- Immigration + STEM



Recommendations for the Federal Government

- Holistic effort, akin to the National Defense Education Act
- Network of STEM Transformation Institutes
- · GI BILL-like for STEM teachers
- Incentivize K-12, community college, and university collaboration
- · Break the silos: NSF, ED, DOD, ENERGY, others



